

FIG. 1

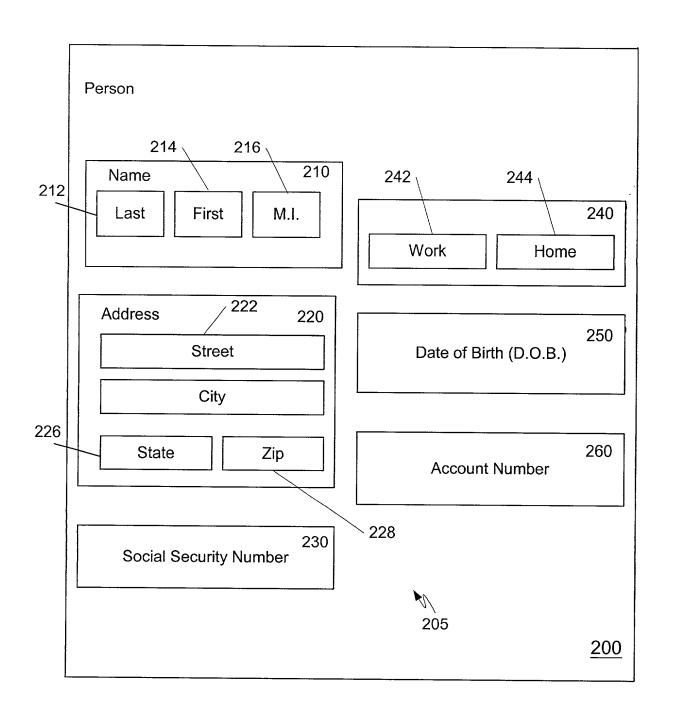


FIG. 2

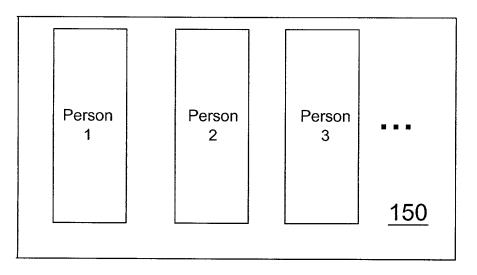


FIG. 3A

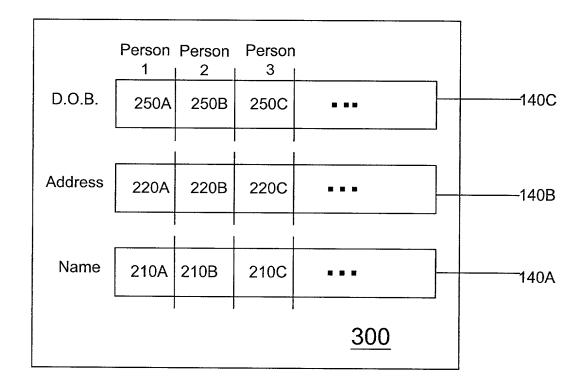


FIG. 3B

# COLORS 1 PINK 2 ORANGE 3 GREEN 4 BLUE 5 PURPLE

SHAPES

1 STARS
2 HORSESHOES
3 DIAMONDS
4 HEARTS
5 CLOVERS

PINK	7	STARS
ORANGE		HORSESHOES
GREEN	$\downarrow$	DIAMONDS
BLUE		HEARTS
PURPLE	<b>→</b>	CLOVERS
410	430	420

FIG. 4A

40

440	
M	

410	420
PURPLE	HORSESHOES
BLUE	DIAMONDS
GREEN	CLOVERS
ORANGE	STARS
PINK	HEARTS

FIG. 4C

460 FIG. 4E

1 4
2 1
3 5
4 3
5 2
410

420

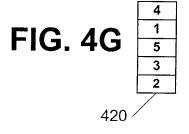
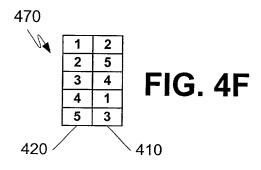


FIG. 4B



120	410
CLOVERS	GREEN
HEARTS	PINK
DIAMONDS	BLUE
HORSESHOES	PURPLE
STARS	ORANGE

FIG. 4D



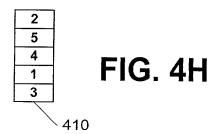
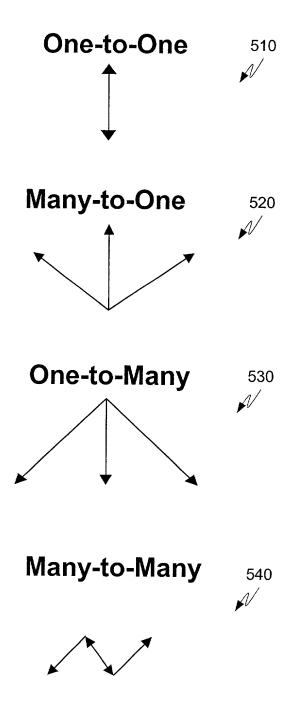


FIG. 5



# FIG. 6

## MMX Files

One	to Man	У
 12  0 24 0 24  43  * 57 * 57 * 57 * 57  119 	 151 201	

610

### MMR

Many	to One
3	57 <b>*</b>
4	12
36	57 *
91	119
151	24 0
200	57 *
201	24 0
212	43
213	57 *
<b>-</b>	

<sup>\</sup> 620

# FIG. 7

#### **MMX** Files

	_	45	-
1 1/1		/B B	4

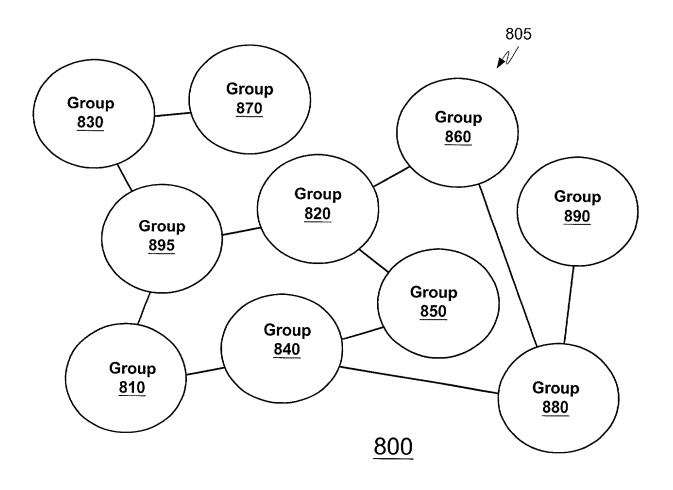
## Many to Many' 7 256 38 + 8 8 21 8 312 19 317 38 + 35 70 36 58 38 + 71 0 112 0 112 38 + 113 316

710 /

#### **MMR**

Many'	to Many
 21 	 8 *
+ 38 + 38	8 * 35
+ 38 + 38 	58 112 o
 70 71	36 112 o
256 	7
312	8 <b>*</b> 
316 317 	113 19
	720

FIG. 8



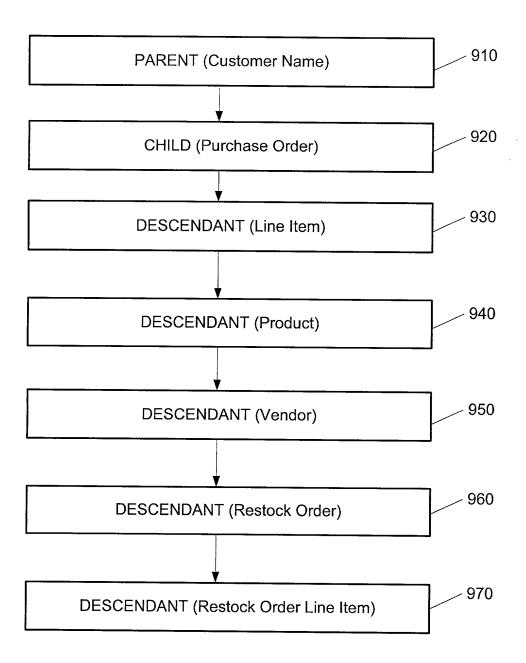
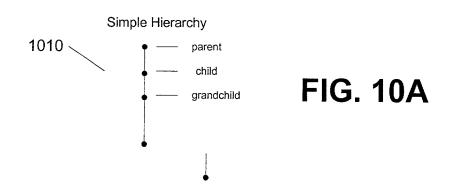
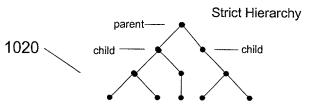
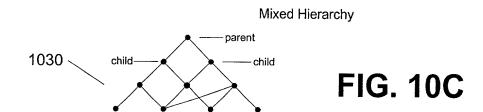


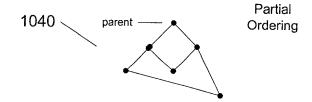
FIG. 9





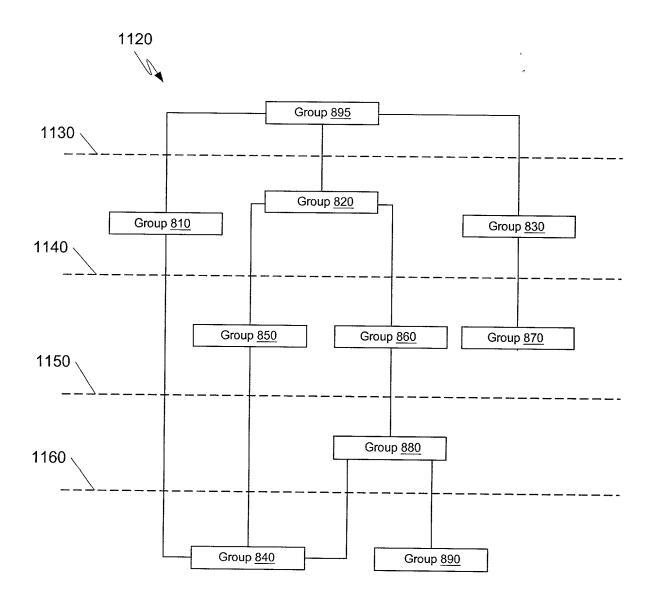
**FIG. 10B** 

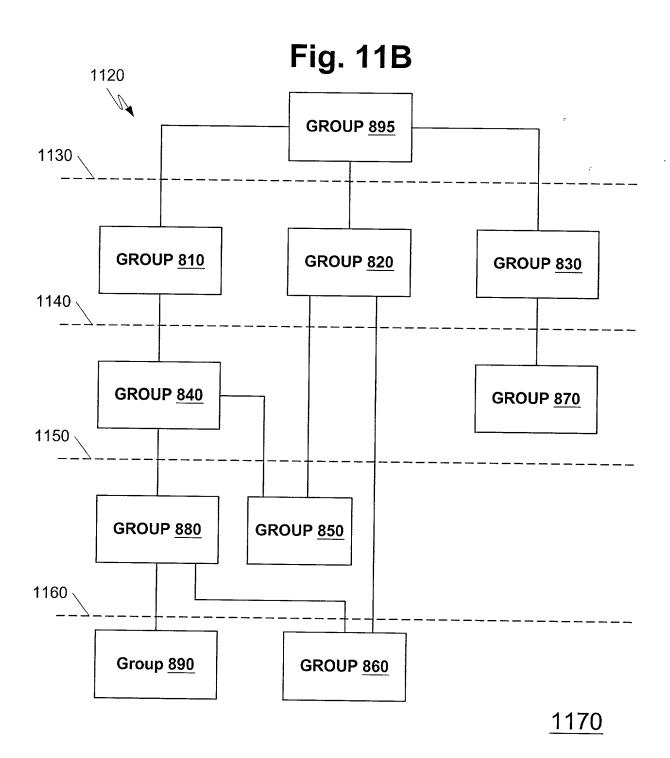


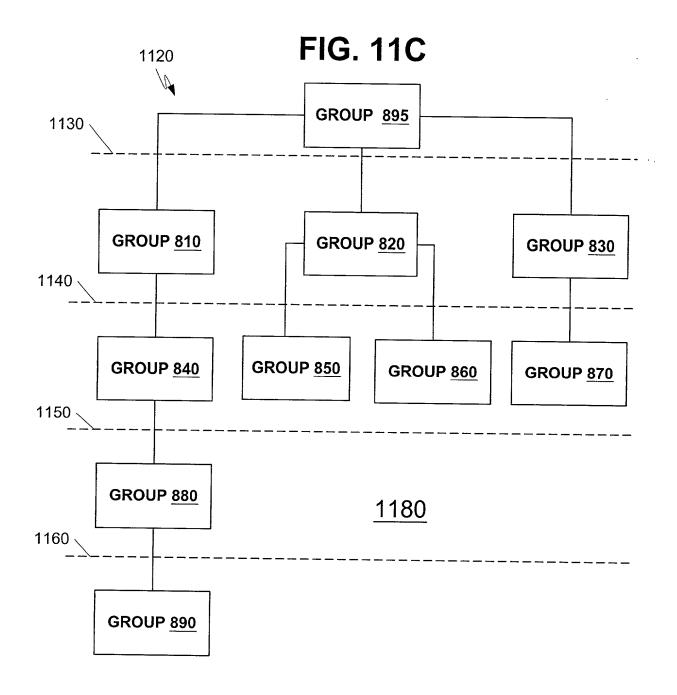


**FIG. 10D** 

Fig.11A







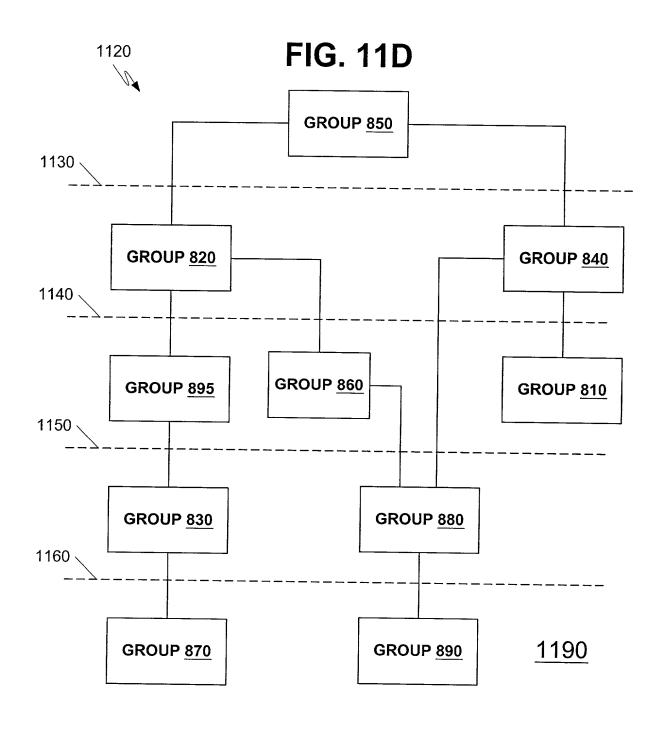
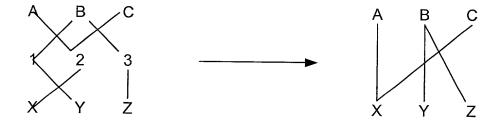


Fig. 12



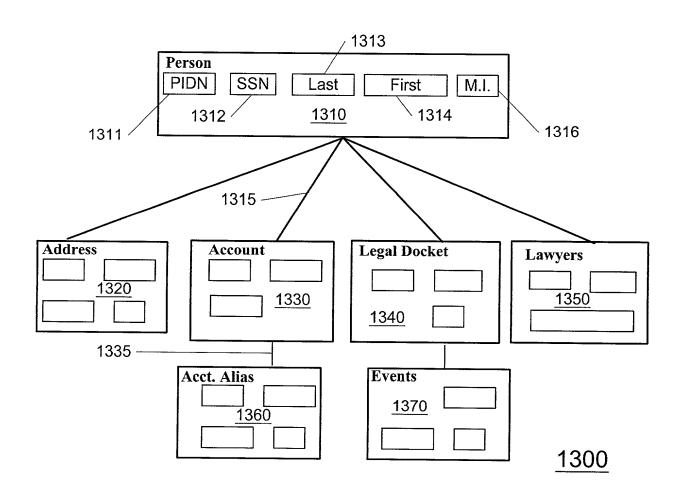


Fig. 13

FIG. 14

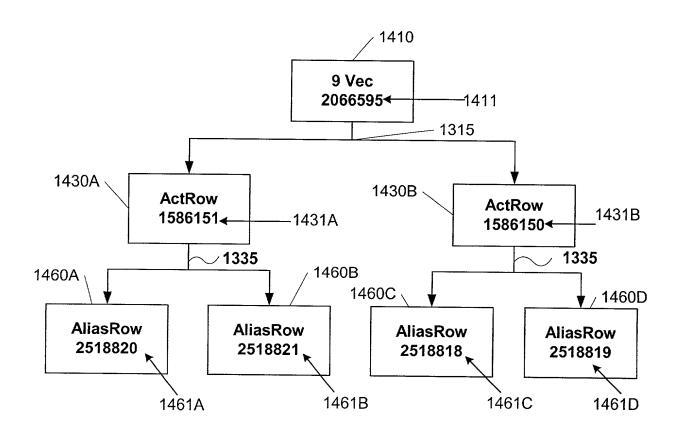
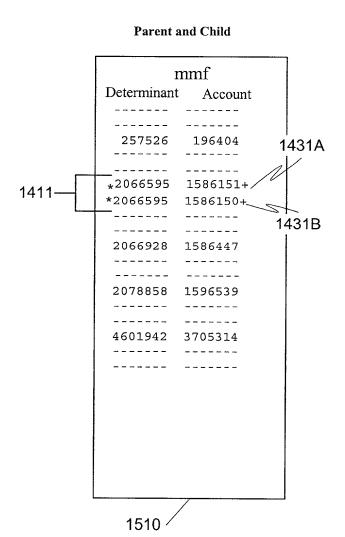


FIG. 15



#### **Child and Parent**

1	mmr
Account	Determinant
	257526
+1586150	
+1586151	
	2066928
	2078858
	4601942
	1520
	<b>X</b> n

1315

FIG. 16

#### Child and Grandchild Grandchild and Child mmf mmr Account AcctAlias AccAlias Account 285102 196404 285102 196404 1461C - 1461D +1586150 2518818x x2518818 1586150+ 1431B-- 1461A +1586150 2518819x x2518819 1586150+ - 1461B +1586151 2518821x~ x2518820 1586151+ 1431Ax2518821 1586151+ +1586151 2518820x 2519308 1586447 2519309 1586447 2519309 1586447 1586447 2519308 1596539 2535037 2535037 1596539 3705314 6050449 6050449 3705314 6050450 3705314 6050450 3705314 1610 / 1620



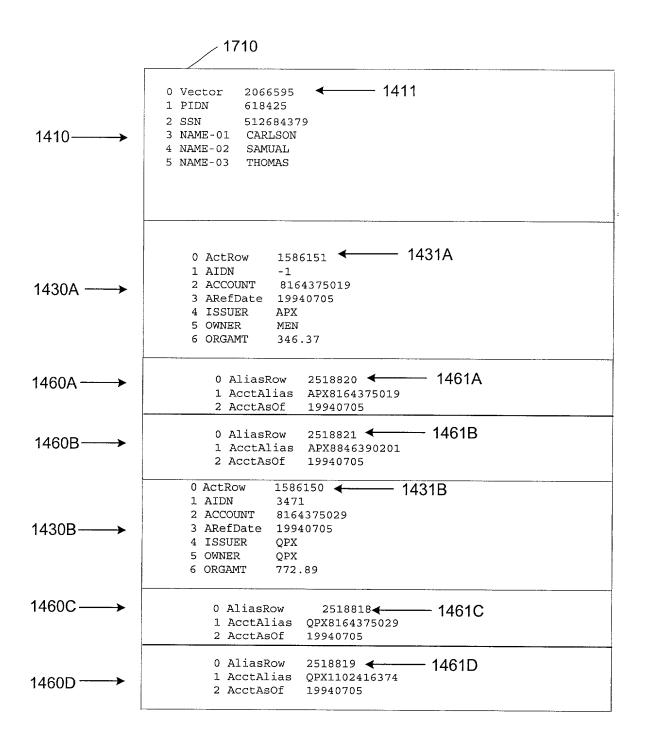


FIG. 17

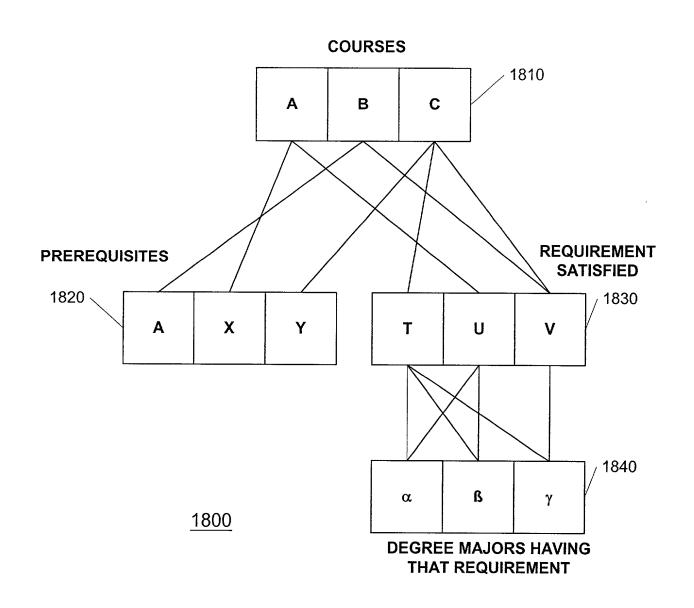


FIG. 18

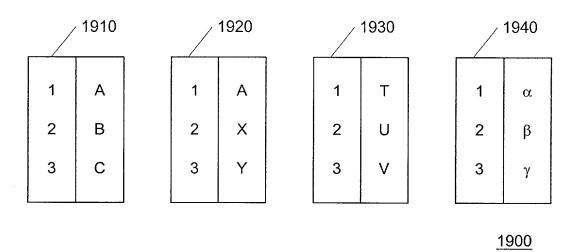
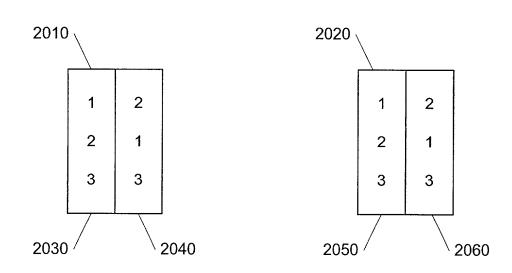
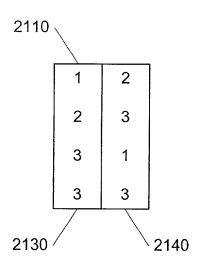


FIG. 19



**FIG. 20A** 

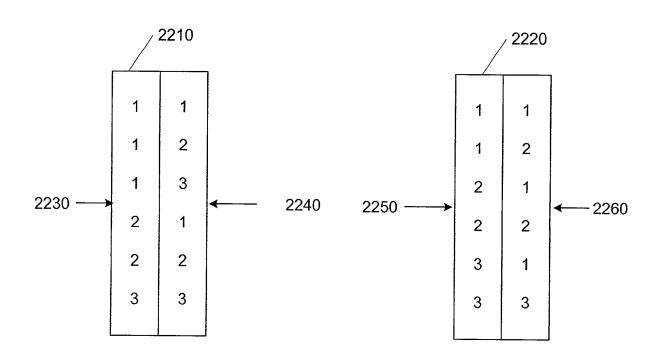
FIG. 20B



2120 1 3 2 1 3 2 3 3 2150 2160

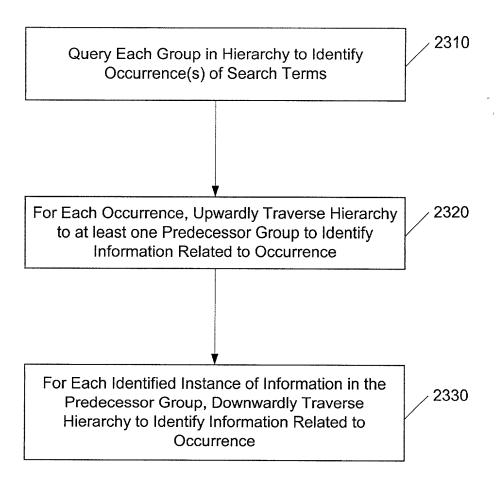
**FIG. 21A** 

FIG. 21B



**FIG. 22A** 

FIG. 22B



2300

FIG. 23

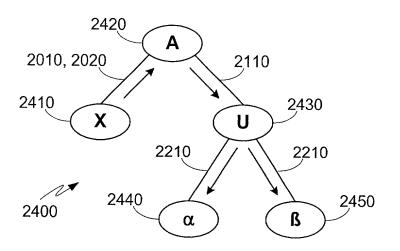


FIG. 24

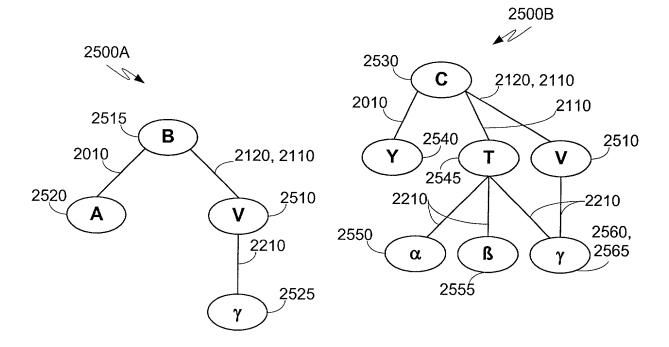


FIG. 25